

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/000008

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D1/22 B01D1/00 B04B15/08 B04B15/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D B04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 871 574 A (LUCAS ET AL) 18 March 1975 (1975-03-18) the whole document	1-52
X	US 2 512 604 A (BIERWIRTH RUDOLPH A) 27 June 1950 (1950-06-27) column 3, line 14 - column 4, line 8; figure 3	1-52
X	US 5 840 253 A (CHASE ET AL) 24 November 1998 (1998-11-24) column 3, line 26 - column 4, line 60; figure 1	1
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

30/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Fourgeaud, D

# INTERNATIONAL SEARCH REPORT

International Application No

PT/GB2005/000008

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 43 19 498 A1 (LAUTENSCHLAEGER, WERNER, 88299 LEUTKIRCH, DE) 3 November 1994 (1994-11-03) column 3, line 54 - column 6, line 13; claims; figure 1 -----	1-52
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 233 (C-1195), 28 April 1994 (1994-04-28) & JP 06 023203 A (TOKYO RIKAI KIKAI KK), 1 February 1994 (1994-02-01) abstract -----	1
A	EP 1 110 061 A (GENEVAC LIMITED) 27 June 2001 (2001-06-27) figures 3,4 -----	1-52

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000008

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3871574	A	18-03-1975	ES 404902 A1 BE 801804 A1 DE 2333376 A1 FR 2191920 A1 GB 1407727 A IT 990863 B JP 49053159 A LU 67947 A1 NL 7309433 A	16-06-1975 05-11-1973 24-01-1974 08-02-1974 24-09-1975 10-07-1975 23-05-1974 13-09-1973 08-01-1974
US 2512604	A	27-06-1950	FR 915287 A GB 608611 A	31-10-1946 17-09-1948
US 5840253	A	24-11-1998	EP 0938257 A1 JP 2000516099 T WO 9819528 A1 US 6235537 B1	01-09-1999 05-12-2000 14-05-1998 22-05-2001
DE 4319498	A1	03-11-1994	AT 173948 T DE 59407365 D1 EP 0628330 A1 DE 59309405 D1 EP 0592654 A1 US 5447077 A	15-12-1998 14-01-1999 14-12-1994 08-04-1999 20-04-1994 05-09-1995
JP 06023203	A	01-02-1994	JP 3230015 B2	19-11-2001
EP 1110061	A	27-06-2001	EP 1110061 A2 US 6722214 B1 WO 0014493 A2 GB 2341811 A , B	27-06-2001 20-04-2004 16-03-2000 29-03-2000